

Product datasheet for **MC227320**

B4galt2 (NM_001253381) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B4galt2 (NM_001253381) Mouse Untagged Clone
Tag: Tag Free
Symbol: B4galt2
Synonyms: Ggtb2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227320 representing NM_001253381
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGAGCAGACTGCTGGGGGGACGCTGGAGCGGGTCTGCAAGGCTGTGCTCCTTCTCTGCCTGCTGCACT
 TCCTTGTGGCCGTCATCCTCTACTTTGAGTCTATGCCAGCACCTGGCCTTTTTAGCCGCTTCAGTAC
 CCGAAGCCAGCCATGCCCTCTACCCTGCAGCCAGCAGCAGTACCAACTGCTCTCGGCCAACGCCACT
 GCCGCTAGCTCCGGGCTGCCTGAAGTGCCAGTGCCAGGCTGGTCCCACAGCTCCAGTCAATCCGCCCT
 GTCTGACGTGCCGCTGGTCTTGTGGCCGAGTGGTCATCGAATTCACCTCACCCATGCCTCTGGAACG
 GGTGCAGAGGGAAAATCCAGGCGTGCTCCTGGGCGGCCGCTATTCTCCACCCGACTGCACCCAGCCAA
 ACGGTGGCAGTCATATCCCTTTAGACACCGGGAGCACCACTACGCTATTGGCTCCACTATCTGCACC
 CCATGTTGAGGCGGCAGCGGCTGCGCTACGGTGTCTATGTCAACCAAGCATGGCGAGGAGACCTTCAA
 CCGAGCCAAGCTGCTCAACGTGGCTTCTAGAGGCACTGAAGGAGGATGCTGCCTATGACTGCTTCATC
 TTCAGTGATGTGGACCTGGTCCCTATGGATGACCGCAATCTGTACCGTTGGTGACAGCCCGCCACT
 TTGCCATCGCCATGGACAAGTTTGGCTTCCGGTTGCCCTATGCTAGTACTTTGGAGGTGTCTCGGGCCT
 GAGCAAGGCCAGTTTCTGAGGATCAATGGCTTTCCCAACGAGTACTGGGGCTGGGGTGGCGAGGATGAT
 GACATCTTCAACCGGATCTCCCTGACTGGGATGAAGATCTCACGCCGGATGTCCGGATTGGCCGCTACC
 GCATGATCAAGCACGACCGGGACAACATAACGAGCCCAACCCTCAGAGGTTTAATAAGATTCAAAAAC
 AAAGATGAGCATGAAGTGGGACGGCATTGGATCCGTGCGGTACCGAGTCTTGAAGTGTCTCGGCAACCG
 CTCTTACCAACATCACAGTGGACATTGGACAGCCCATGTCGTGGCTCACTCAAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253381



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Insert Size:	1110 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001253381.1, NP_001240310.1</u>
RefSeq Size:	2467 bp
RefSeq ORF:	1110 bp
Locus ID:	53418
UniProt ID:	<u>Q9Z2Y2</u>
Cytogenetics:	4 D2.1
Gene Summary:	<p>Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids. Can produce lactose (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer protein-coding transcript. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>